

02/19/02
U.S. PTO

02/21/02

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 28999.50

First Inventor Hang Jin, et al.

Title Wireless Enhancer Using a Switch Matrix

Express Mail Label No. EL828049442US

| APPLICATION ELEMENTS | | ADDRESS TO: | |
|---|--|--|--|
| See MPEP chapter 600 concerning utility patent application contents. | | | |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original and a duplicate for fee processing)</i> | | Attorney Docket No. 28999.50 First Inventor Hang Jin, et al. Title Wireless Enhancer Using a Switch Matrix Express Mail Label No. EL828049442US | |
| 2. <input checked="" type="checkbox"/> Applicant claims small entity status. <i>See 37 CFR 1.27.</i> | | Commissioner for Patents Box Patent Application Washington, DC 20231 | |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages 21] <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure | | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) | |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 9] | | a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none"> i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper c. <input type="checkbox"/> Statements verifying identity of above copies | |
| 5. Oath or Declaration [Total Pages 2] | | 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of (when there is an assignee) <input checked="" type="checkbox"/> Attorney | |
| a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) <i>(for continuation/divisional with Box 18 completed)</i> | | 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations | |
| i. <input type="checkbox"/> DELETION OF INVENTOR(S) <i>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</i> | | 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> | |
| 6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 | | 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input checked="" type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input checked="" type="checkbox"/> Other: Express Mail Certificate | |

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No. _____

Prior application information: Examiner _____ Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

| | | | |
|---|--|-----------|--|
| <input checked="" type="checkbox"/> Customer Number or Bar Code Label | 0000027683 <i>(Insert Customer No. or Attach bar code label here)</i> | | <input type="checkbox"/> or <input checked="" type="checkbox"/> Correspondence address below |
| Name | L. Howard Chen | | |
| Address | Haynes and Boone, LLP 901 Main Street, Suite 3100 | | |
| City | Dallas | State | Texas |
| Country | USA | Telephone | 214.651.5025 |
| Fax | 214.200.0528 | | |

| | | | |
|-------------------|-----------------------|-----------------------------------|--------------|
| Name (Print/Type) | L. Howard Chen | Registration No. (Attorney/Agent) | 46,615 |
| Signature | <i>L. Howard Chen</i> | | Date 21.9.02 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 671.00)

| Complete if Known | |
|----------------------|------------------|
| Application Number | |
| Filing Date | 02/19/2002 |
| First Named Inventor | Hang Jin, et al. |
| Examiner Name | Unknown |
| Group Art Unit | Unknown |
| Attorney Docket No. | 28999.50 |

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 08-1394

Deposit Account Name Haynes and Boone, LLP

 Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 Applicant claims small entity status. See 37 CFR 1.27

2. Payment Enclosed:

 Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

| Fee Code (\$) | Fee (\$) | Fee Code (\$) | Fee (\$) | Fee Description | Fee Paid |
|---------------|----------|---------------|----------|------------------------|----------|
| 101 | 740 | 201 | 370 | Utility filing fee | 370.00 |
| 106 | 330 | 206 | 165 | Design filing fee | |
| 107 | 510 | 207 | 255 | Plant filing fee | |
| 108 | 740 | 208 | 370 | Reissue filing fee | |
| 114 | 160 | 214 | 80 | Provisional filing fee | |

SUBTOTAL (1) (\$ 370.00)

2. EXTRA CLAIM FEES

| | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|--------------------|
| Total Claims | 49 | -20** = 29 | 29 x 9.00 = 261.00 |
| Independent Claims | 3 | -3** = 0 | 0 x 42.00 = 0 |
| Multiple Dependent | | | |

Large Entity Small Entity

| Fee Code (\$) | Fee (\$) | Fee Code (\$) | Fee Description |
|---------------|----------|---------------|-----------------|
| 103 | 18 | 203 | 9 |
| 102 | 84 | 202 | 42 |
| 104 | 280 | 204 | 140 |
| 109 | 84 | 209 | 42 |
| 110 | 18 | 210 | 9 |

SUBTOTAL (2) (\$ 261.00)

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee (\$) | Fee Description | Fee Paid |
|-----------------------------------|----------------------------|----------|-----------------|--|
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet |
| 139 | 130 | 139 | 130 | Non-English specification |
| 147 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action |
| 115 | 110 | 215 | 55 | Extension for reply within first month |
| 116 | 400 | 216 | 200 | Extension for reply within second month |
| 117 | 920 | 217 | 460 | Extension for reply within third month |
| 118 | 1,440 | 218 | 720 | Extension for reply within fourth month |
| 128 | 1,960 | 228 | 980 | Extension for reply within fifth month |
| 119 | 320 | 219 | 160 | Notice of Appeal |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal |
| 121 | 280 | 221 | 140 | Request for oral hearing |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable |
| 141 | 1,280 | 241 | 640 | Petition to revive - unintentional |
| 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) |
| 143 | 460 | 243 | 230 | Design issue fee |
| 144 | 620 | 244 | 310 | Plant issue fee |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |
| 146 | 740 | 246 | 370 | Filing a submission after final rejection (37 CFR § 1.129(a)) |
| 149 | 740 | 249 | 370 | For each additional invention to be examined (37 CFR § 1.129(b)) |
| 179 | 740 | 279 | 370 | Request for Continued Examination (RCE) |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application |
| Other fee (specify) _____ | | | | |
| *Reduced by Basic Filing Fee Paid | | | | SUBTOTAL (3) (\$ 40.00) |

SUBMITTED BY Complete (if applicable)

| | | | | | |
|-------------------|---|-----------------------------------|--------|-----------|--------------|
| Name (Print/Type) | L. Howard Chen | Registration No. (Attorney/Agent) | 46,615 | Telephone | 214.651.5025 |
| Signature |  | | | Date | 2/19/02 |

D-945221.1

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Customer No. 27683

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|-------------|--|---|-------------------------|
| Applicant: | Hang Jin, et al. | § | |
| | | § | |
| Serial No.: | N/A | § | Group Art Unit: Unknown |
| | | § | |
| Filed: | Herewith | § | Examiner: Unknown |
| | | § | |
| For: | Wireless Enhancer Using a Switch Matrix | § | |
| | | § | |

Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

Express Mail Number: EL828049442US

Date of Deposit: February 19, 2002

I hereby certify that the following attached papers and fee:

1. Utility Patent Application Transmittal and Fee Transmittal with duplicate copy attached;
2. Utility Patent Application consisting of 21 pages of specification;
3. nine (9) drawing sheets;
4. Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i);
5. Application Data Sheet;
6. signed Declaration;
7. signed Power of Attorney
8. a check in the amount of \$631.00;
9. an executed Assignment and Assignment Recordation Cover Sheet;
10. a check in the amount of \$40.00 for Assignment Recordation; and
11. a Return Postcard.

are being deposited with United States Postal Service "Express Mail Post Office to addressee" to the U.S. Patent and Trademark Office, Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202, Attn: Box Patent Application.

Debbie Ludwig
Debbie Ludwig

2-19-2002

Date

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**NONPUBLICATION REQUEST
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

| | |
|----------------------|---|
| First Named Inventor | Hang Jin, et al. |
| Title | Wireless Enhancer Using a Switch Matrix |
| Atty Docket Number | 28999.50 |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

2/9/02

Date



Signature

Haynes and Boone, LLP
901 Main Street, Suite 3100
Dallas, Texas 75202
Phone: 214-651-5262
Fax: 214-651-5940

L. Howard Chen

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**